

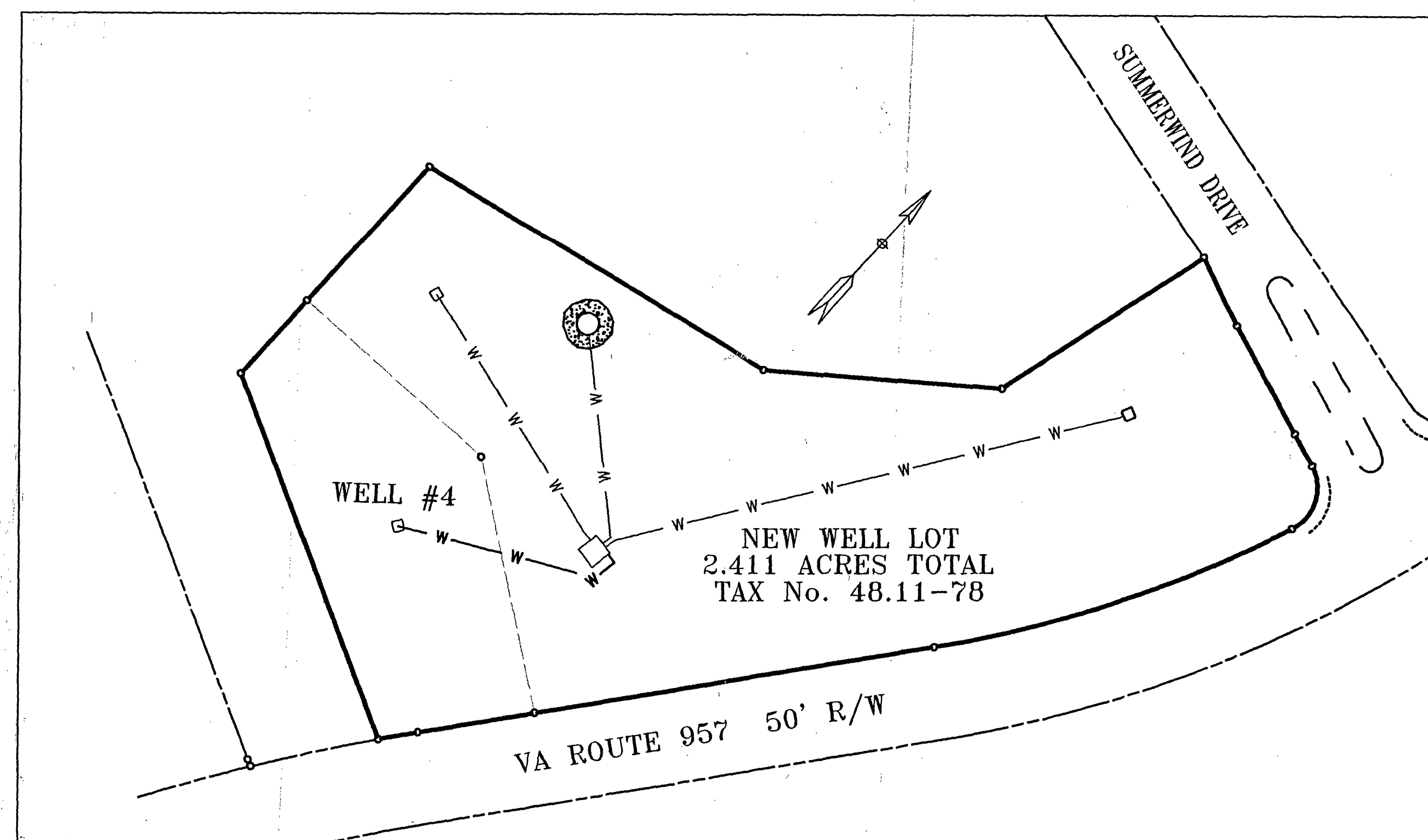
LOCATION MAP

CONTENTMENT ISLAND COMMUNITY WATER SYSTEM WELL #4 ADDITION UNION HALL MAGISTERIAL DISTRICT FRANKLIN COUNTY, VIRGINIA

GENERAL NOTES

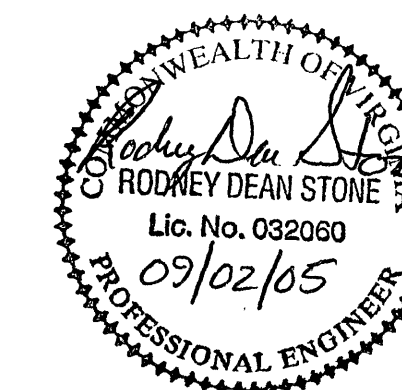
1. ALL CONSTRUCTION STANDARDS AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS, SPECIFICALLY FRANKLIN COUNTY CHAPTER 22 WATER AND SEWER REGULATIONS, VIRGINIA DEPARTMENT OF HEALTH WATERWORKS REGULATIONS, AND VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT MISS UTILITY TO LOCATE ALL EXISTING UTILITIES. THE ENGINEER SHALL BE CONTACTED IMMEDIATELY IF THE EXISTING CONDITIONS DIFFER FROM PLANS.
3. ALL PIPE CROSSINGS SHALL MAINTAIN A MINIMUM VERTICAL SEPARATION OF 18".
4. ALL WATER LINES SHALL BE A MINIMUM OF 10' HORIZONTALLY FROM SEWER LINES AND 30 FEET FROM DRAINFIELDS.
5. UNDERGROUND INSTALLATION OF PVC PRESSURE PIPE AND FITTINGS SHALL CONFORM TO MANUFACTURERS' RECOMMENDED INSTALLATION PROCEDURES OR ANSI/AWWA C605-94.
6. ALL TEES, BENDS, PLUGS, AND CAPS SHALL BE SUBSTANTIALLY BRACED, BLOCKED, AND/OR ANCHORED W/ 2500PSI CONCRETE.
7. WATER LINES SHALL BE INSTALLED WITH MINIMUM COVER OF 36 INCHES, MAINTAIN A 10' HORIZONTAL SEPARATION FROM SEWER OR STORM SEWER PIPE/FORCE MAINS, AND MAINTAIN A 18" VERTICAL SEPARATION (WATER ON TOP) FROM ALL SEWER AND STORM SEWER PIPE/ FORCE MAINS.
8. WATERLINES SHALL BE DISINFECTED IN ACCORDANCE WITH ANSI/AWWA C651-99. WATER SUPPLIED FROM A TEMPORARY, BACKFLOW-PROTECTED SOURCE SHALL FLOW AT A CONSTANT, MEASURED RATE. FLUSHING VELOCITIES SHOULD NOT BE LESS THAN 2.5 FT/S. FILL THE PIPES TO REMOVE ALL AIR POCKETS, FLUSH THE COMPLETED WATERLINE TO REMOVE PARTICULATES, AND FILL THE PIPES WITH POTABLE WATER. CHLORINE SHALL BE ADDED AT A CONSTANT RATE TO THIS FLOW SO THAT THE CHLORINE CONCENTRATION IN THE WATERLINE IS AT LEAST 50 mg/L. THE MIXTURE SHALL REMAIN FOR A MINIMUM OF 24 HRS, AFTER WHICH, THE CHLORINE CONCENTRATION IN THE WATER SHALL BE AT LEAST 10 mg/L. ALL VALVES AND APPURTENANCES SHALL BE OPERATED WHILE THE CHLORINATED WATER REMAINS IN THE SYSTEM. AFTER THE APPLICABLE RETENTION PERIOD, HEAVILY CHLORINATED WATER SHALL BE FLUSHED FROM THE PIPE FITTINGS, VALVES, AND BRANCHES UNTIL CHLORINE MEASUREMENTS SHOW THAT THE CONCENTRATION IN THE WATER LEAVING THE PIPES IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE DISTRIBUTION SYSTEM OR THAT IS ACCEPTABLE FOR DOMESTIC USE. SAMPLES SHALL BE TAKEN AND TESTED AFTER FINAL FLUSHING. SAMPLES SHALL BE TESTED FOR BACTERIAL ANALYSIS IN ACCORDANCE WITH VIRGINIA DEPARTMENT OF HEALTH REGULATIONS.
- 9) TWO WATER SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED AT LEAST 24 HOURS APART AND ANALYZED BY A CERTIFIED LABORATORY. THE RESULTS OF THESE SAMPLES MUST INDICATE NO COLIFORM CONTAMINATION BEFORE THE PIPE, TANKS, OR EQUIPMENT CAN BE UTILIZED AS PART OF THE WATERWORKS. IF CONTAMINATION IS INDICATED, THEN THE DISINFECTION PROCEDURE MUST BE REPEATED.
10. WATERLINES SHALL BE TESTED AT 150 PSI. MINIMUM TEST PRESSURE SHALL NOT BE LESS THAN 1 1/2 TIMES THE WORKING PRESSURE AT THE HIGHEST POINT. PRESSURE SHALL BE MAINTAINED FOR A PERIOD OF TWO HOURS.
11. CONTRACTOR TO VERIFY EXACT LOCATIONS OF EXISTING WATERLINES. IF RELOCATION IS NEEDED, ALL REQUIRED SEPARATION DISTANCES FROM OTHER UTILITIES APPLY.
12. SAMPLE TAPS SHALL BE THREADLESS TYPE. ALL HOSE BIBBS SHALL HAVE THE THREADS FILED TO PREVENT THE CONNECTION OF A GARDEN HOSE.

DATE: JANUARY 25, 2005
REVISED: SEPTEMBER 2, 2005



SHEET INDEX

- SHEET 1 - COVER SHEET WITH GENERAL NOTES
- SHEET 2 - SITE PLAN
- SHEET 3 - DETAIL SHEET



ENGINEER:
STONE ENGINEERING, INC.
250 SOUTH MAIN STREET
ROCKY MOUNT, VIRGINIA 24151
(540) 483-0078

SURVEYOR:
CORNERSTONE LAND SURVEYING, INC.
250 SOUTH MAIN STREET
ROCKY MOUNT, VIRGINIA 24151
(540) 489-3590

DEVELOPER:
CONTENTMENT ISLAND, L.L.C.
119 BROOKSTOWN AVE #100
WINSTON SALEM, NC 27101
(336) 724-1503